## (19) World Intellectual Property Organization

International Bureau



## 

(43) International Publication Date 19 May 2005 (19.05.2005)

PCT

## (10) International Publication Number WO 2005/044265 A1

(51) International Patent Classification<sup>7</sup>: C07D 213/30, 213/61, A61P 1/04

A61K 31/44,

(21) International Application Number:

PCT/US2004/034501

- (22) International Filing Date: 20 October 2004 (20.10.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/560,754

31 October 2003 (31.10.2003) US

- (71) Applicants (for all designated States except US): AS-TRAZENECA AB [SE/SE]; S-151 85 Södertälje (SE). NPS PHARMACEUTICALS, INC. [US/US]; 420 Chipeta Way, Salt Lake City, UT 84108 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): BACH, Peter [SE/SE]; AstraZeneca R & D Molndal, 83 Molndal, S-431 Molndal (SE). BAUER, Udo [SE/SE]; AstraZeneca R & D Molndal, 83 Molndal, S-431 Molndal (SE). NILSSON, Karolina? [SE/SE]; AstraZeneca R & D Molndal, 83 Molndal, S-431 Molndal (SE). WÅLLBERG, Andreas? [SE/SE]; AstraZeneca R & D Molndal, S-431 Molndal (SE).

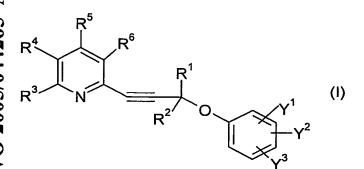
- (74) Agents: BENT, Stephen, A. et al.; Foley & Lardner LLP, Washington Harbour, 3000 K Street, NW, Suite 500, Washington, DC 20007-5101 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ALKYNES III



(57) Abstract: The present invention is directed to novel compounds of formula 1, to a process, for their preparation, their use in therapy and pharmaceutical compositions comprising the novel compounds. The novel compounds are useful in therapy, and in particular for the treatment 5 of gastroesophageal reflux disease (GERD).